

ABSTRACT

A method for controlling roll/yaw motions of a vehicle includes the steps of deciding whether an anti-roll control is required or not by comparing a roll rate of the vehicle with a predetermined threshold roll rate, executing the anti-roll control if the roll rate is larger than the predetermined threshold roll rate, deciding whether an anti-yaw control is required or not by comparing a difference between an actual yaw rate of a vehicle and a desired yaw rate with a predetermined threshold yaw rate and executing the anti-yaw control if the difference between the actual yaw rate and the desired yaw rate is larger than the predetermined threshold yaw rate. During the anti-roll control, both right and left front wheel dampers and both right and left rear wheel dampers are hard-controlled at the same time. Further, during the anti-yaw control, both right and left front wheel dampers are hard-controlled and both right and left rear wheel dampers are soft-controlled.